

Weekly Report

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Intro

This week I spend most of my time on course report and applied mathematics assignments. The progress on research projects was a bit slow.

Reading

As another contribution similar to the "Analyst's Workspace" which is one of my starting point, [1] presents a concept of considering semantic interaction as a basic communication approach between human and the system. They claim that the spatial interactions, which contain semantic meanings such as highlighting text, move the position of a document, etc.) and are coupled with underlying computation processes, will support the users' analytical reasoning for users are released from directly manipulating the low-level models. Also they construct a prototype for text analysis to illustrate their ideas.

Skills

None.

Research

- **Visual Community Extraction** I just built a basic window framework in Qt migrated from Gephi without any functions and visualization views.

Miscellaneous Work

- **Translation Review of Chapter 11** The review of translations was finished on week-ends.

Plan for Next Week

- probably spend another two or three days on the applied mathematics assignment;
- prepare for seminar paper report;
- begin the survey of recent papers on sensemaking;
- continue migrating the Gephi system.

References

- [1] A. Endert, P. Fiaux, and C. North, “Semantic Interaction for Sensemaking: Inferring Analytical Reasoning for Model Steering,” *IEEE Transactions on Visualization and Computer Graphics*, vol. 18, no. 12, pp. 2879–2888, 2012.